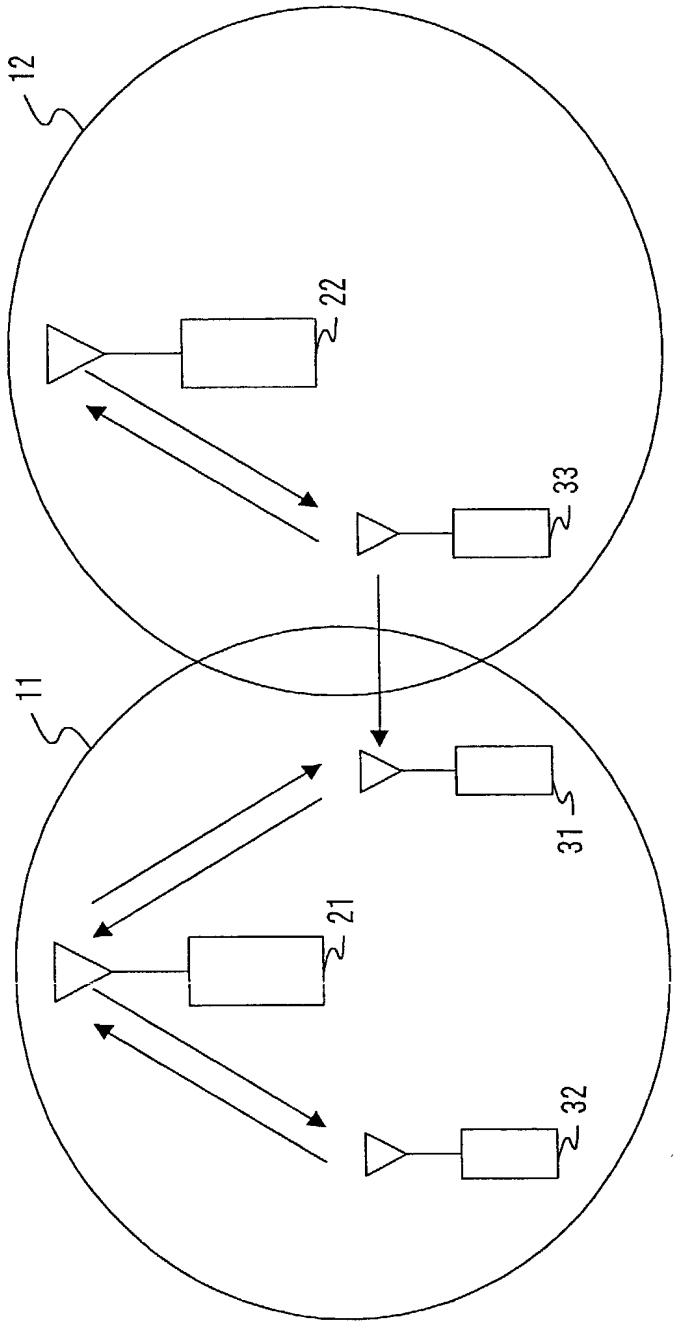

FIG.1

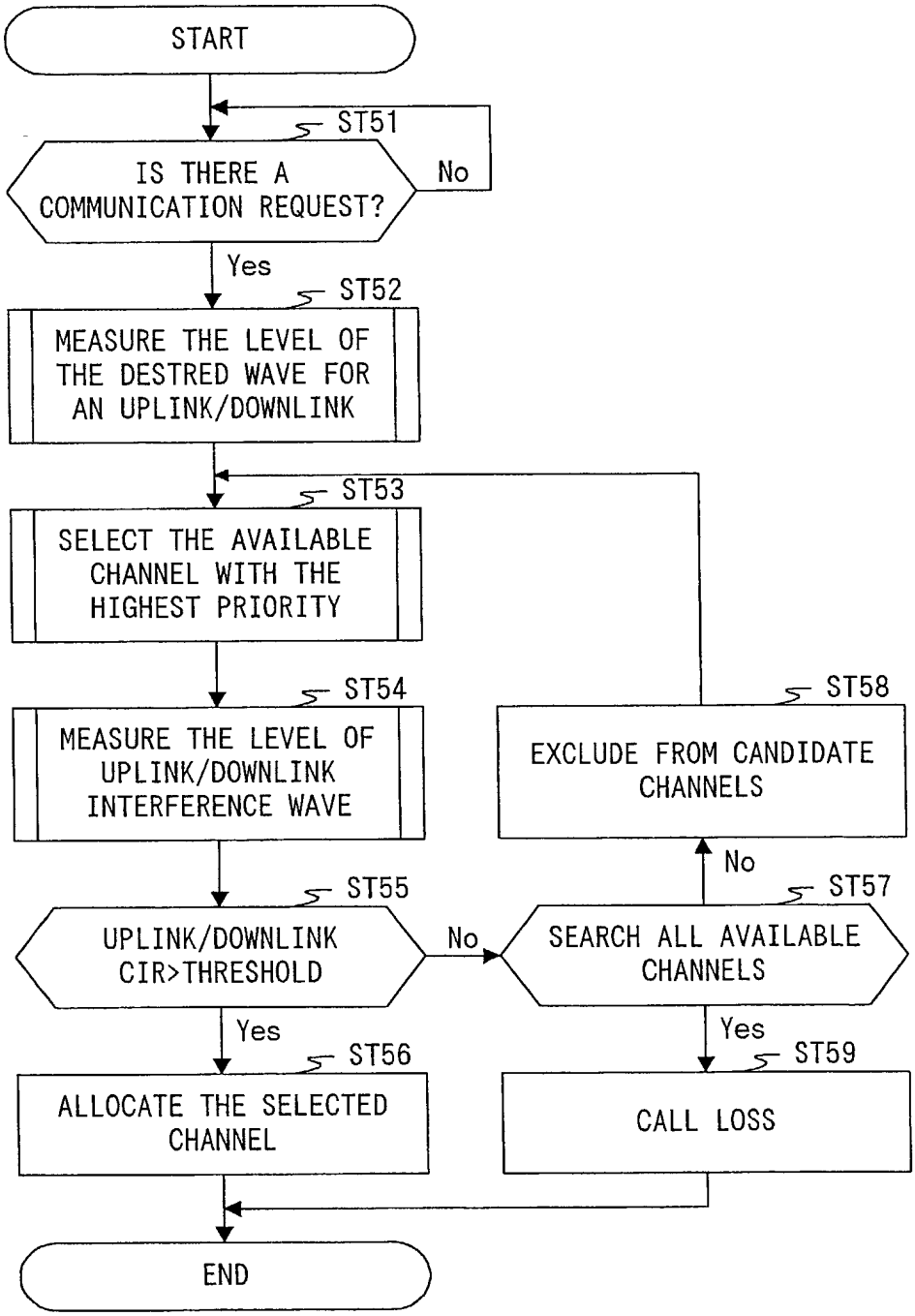
START
ST51
IS THERE A COMMUNICATION REQUEST?
No
Yes
ST52
MEASURE THE LEVEL OF THE DESTRED WAVE FOR AN UPLINK/DOWNLINK
ST53
SELECT THE AVAILABLE CHANNEL WITH THE HIGHEST PRIORITY
ST54
MEASURE THE LEVEL OF UPLINK/DOWNLINK INTERFERENCE WAVE
ST55
UPLINK/DOWNLINK CIR>THRESHOLD
No
Yes
ST56
ALLOCATE THE SELECTED CHANNEL
ST57
SEARCH ALL AVAILABLE CHANNELS
No
Yes
ST58
EXCLUDE FROM CANDIDATE CHANNELS
ST59
CALL LOSS
END

FIG.2

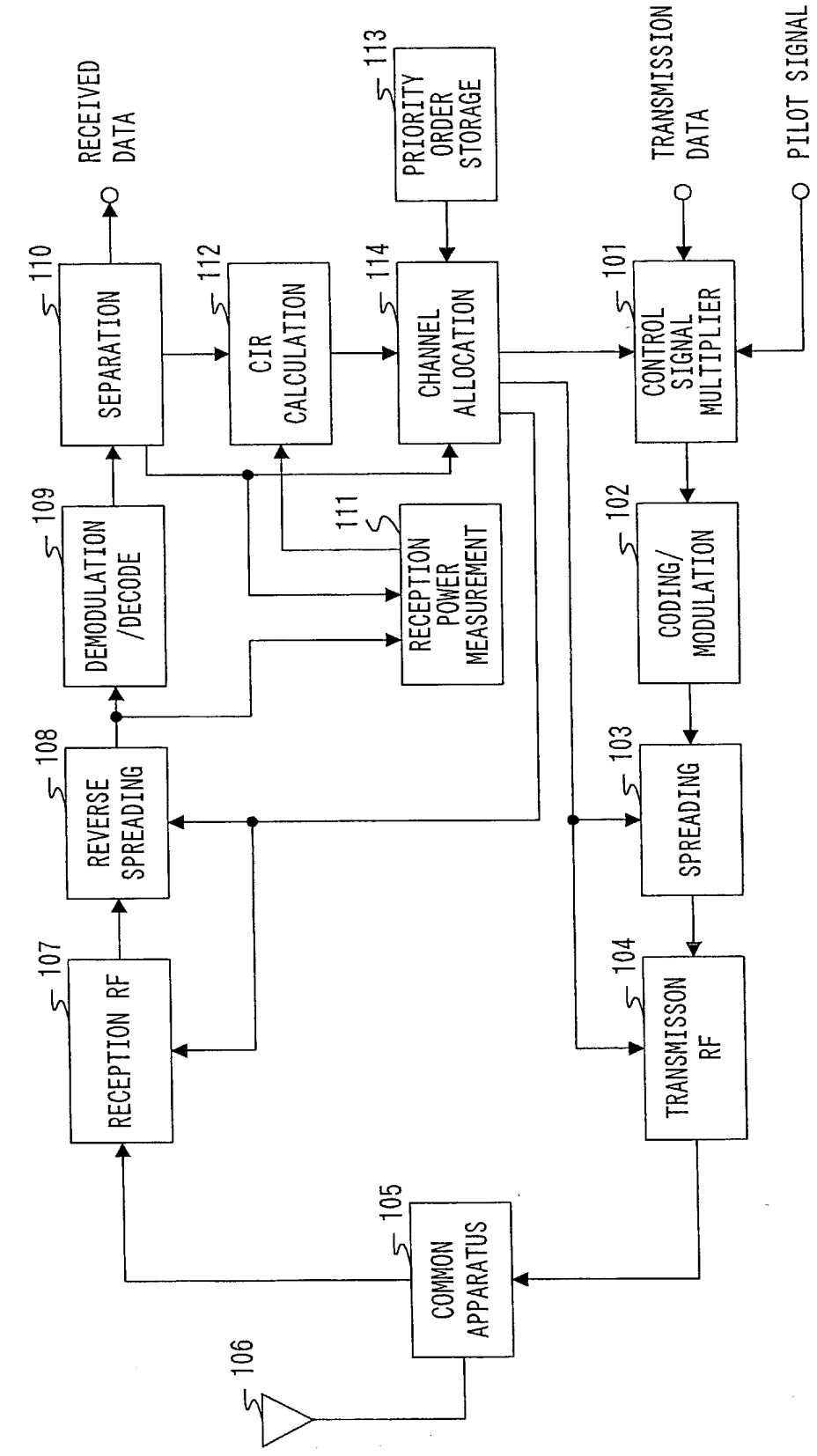
RECEIVED DATA
110
SEPARATION
112
CIR CALCULATION
113
PRIORITY ORDER STORAGE
114
CHANNEL ALLOCATION
TRANSMISSION DATA
PILOT SIGNAL
101
CONTROL SIGNAL MULTIPLIER
109
DEMODULATION /DECODE
111
RECEPTION POWER MEASUREMENT
102
CODING/ MODULATION
108
REVERSE SPREADING
103
SPREADING
107
RECEPTION RF
104
TRANSMISSON RF
105
COMMON APPARATUS
106

FIG.3

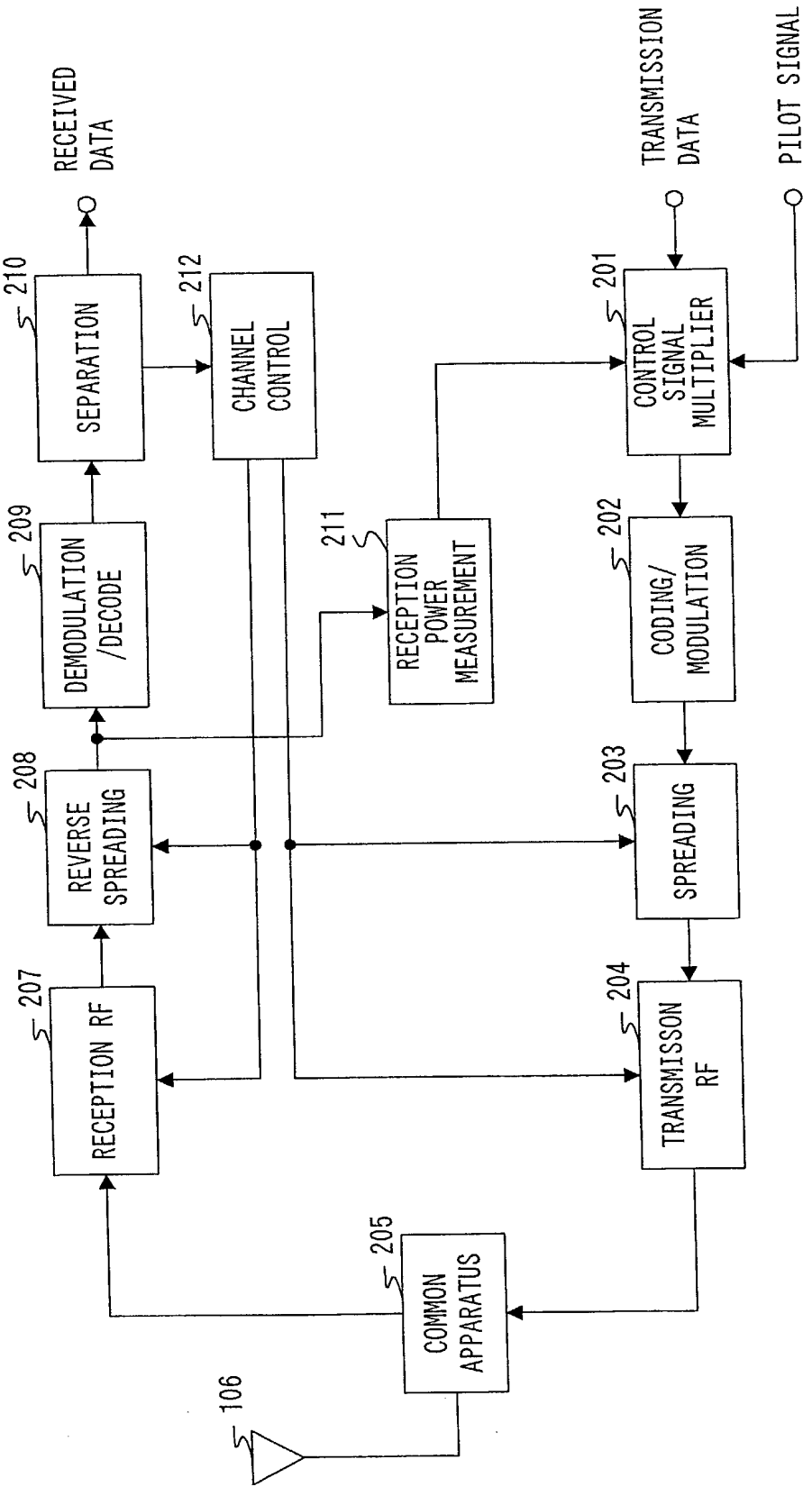
RECEIVED DATA
TRANSMISSION DATA
PILOT SIGNAL
210
SEPARATION
212
CHANNEL CONTROL
201
CONTROL SIGNAL MULTIPLIER
209
DEMODULATION /DECODE
211
RECEPTION POWER MEASUREMENT
202
CODING/ MODULATION
208
REVERSE SPREADING
203
SPREADING
207
RECEPTION RF
204
TRANSMISSON RF
205
COMMON APPARATUS
106

FIG.4

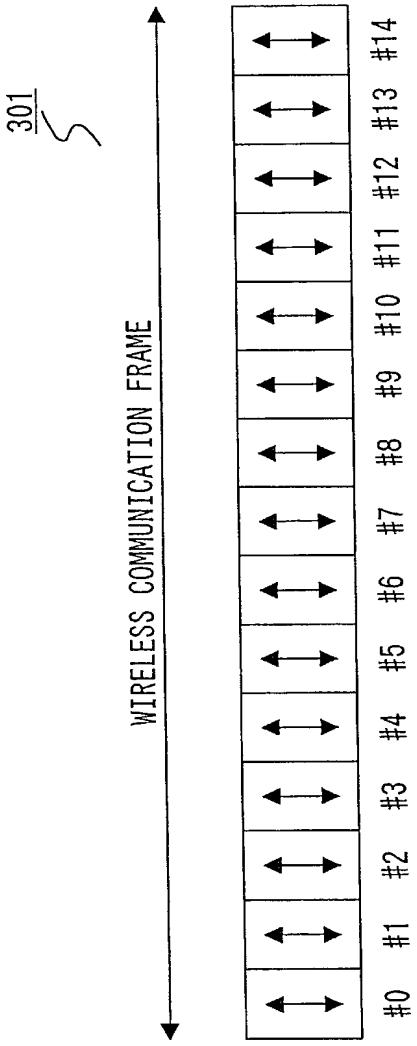

FIG.5

SLOT NUMBER	#0	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14
UPLINK ORDER OF PRIORITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DOWNLINK ORDER OF PRIORITY	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

FIG.6

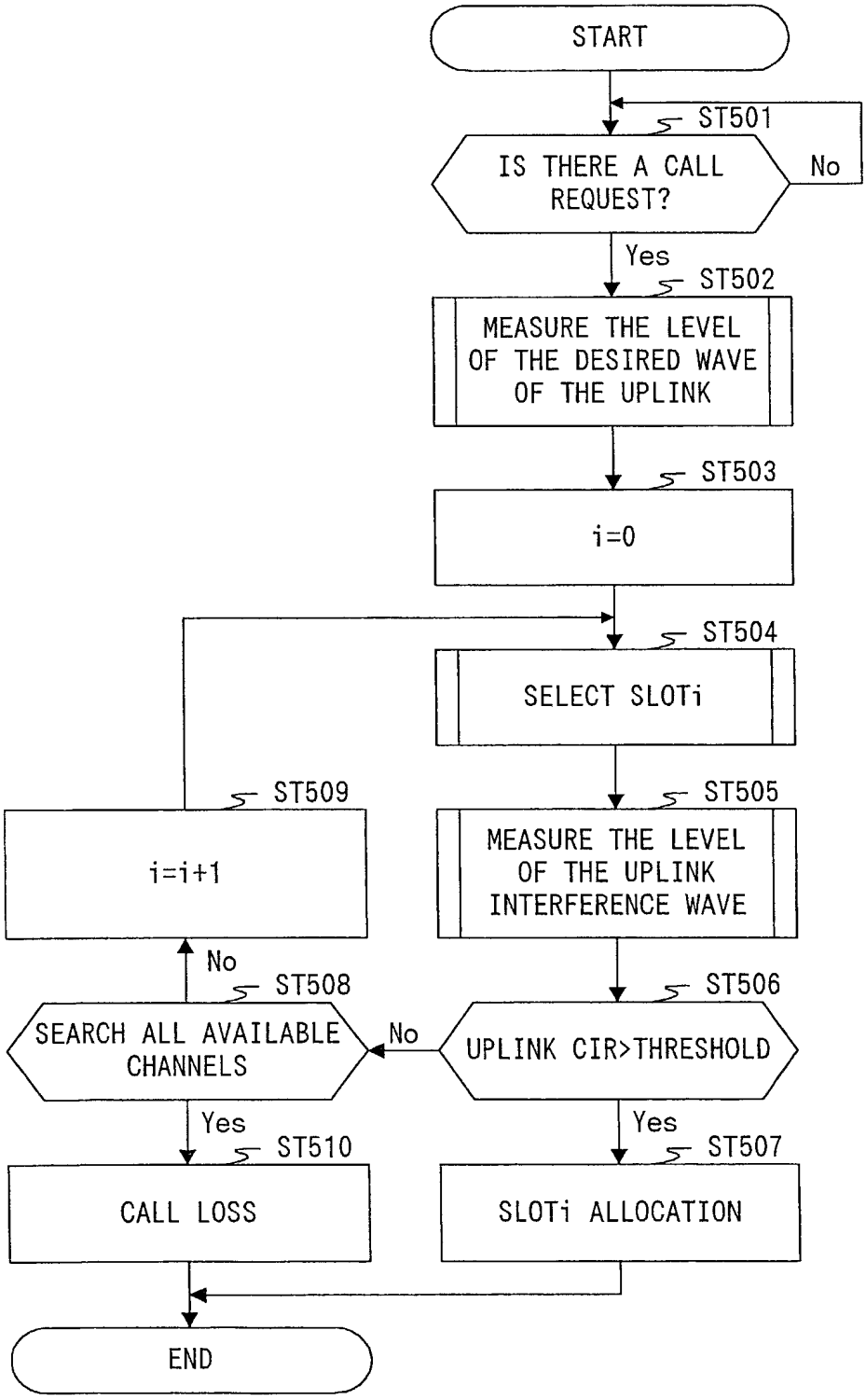
START
ST501
IS THERE A CALL REQUEST?
No
Yes
ST502
MEASURE THE LEVEL OF THE DESIRED WAVE OF THE UPLINK
ST503
i=0
ST504
SELECT SLOTi
ST505
MEASURE THE LEVEL OF THE UPLINK INTERFERENCE WAVE
ST506
UPLINK CIR>THRESHOLD
No
Yes
ST507
SLOTi ALLOCATION
ST508
SEARCH ALL AVAILABLE CHANNELS
No
Yes
ST509
i=i+1
ST510
CALL LOSS
END

FIG.7

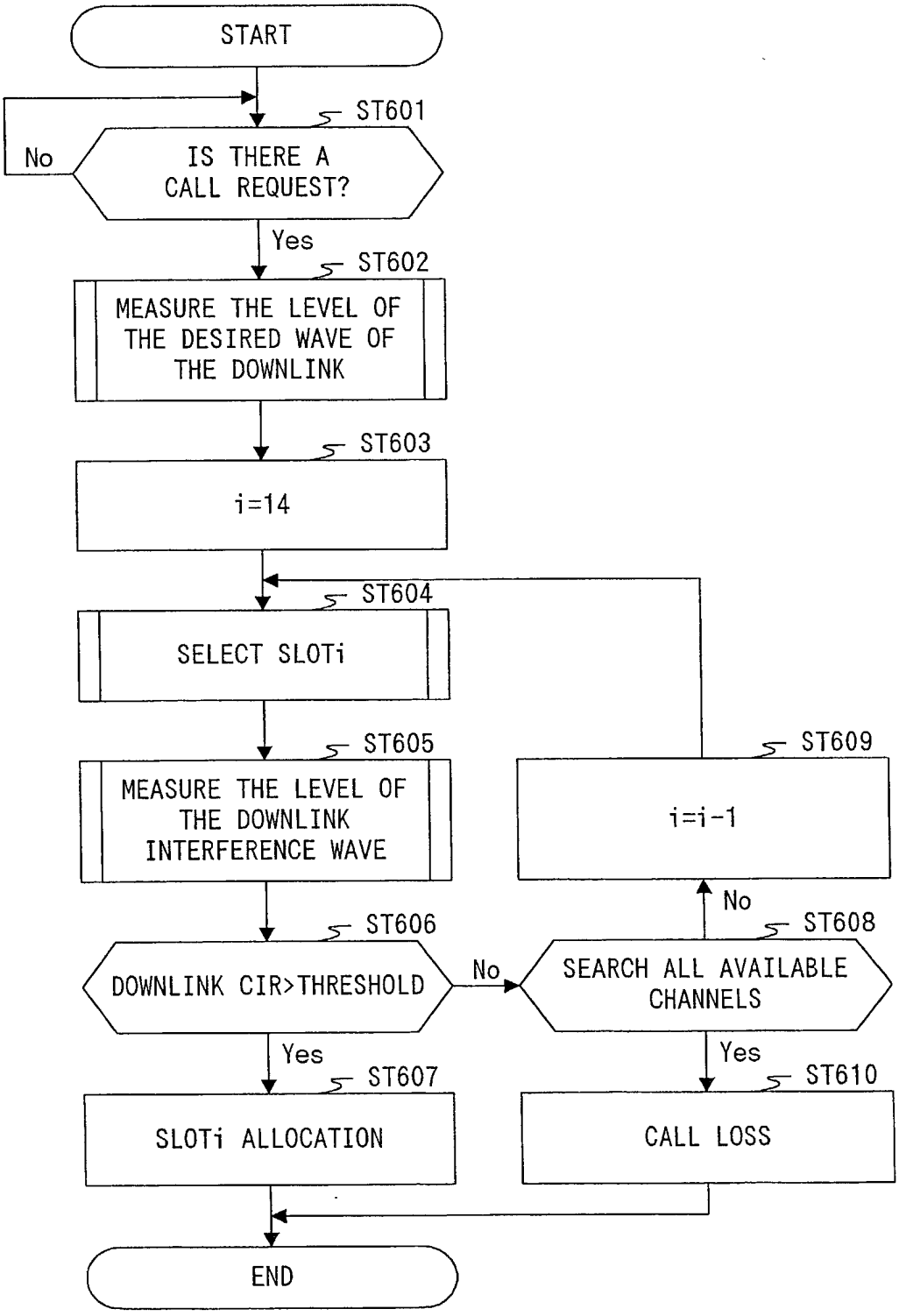
START
ST601
No
IS THERE A CALL REQUEST?
Yes
ST602
MEASURE THE LEVEL OF THE DESIRED WAVE OF THE DOWNLINK
ST603
i=14
ST604
SELECT SLOTi
ST605
MEASURE THE LEVEL OF THE DOWNLINK INTERFERENCE WAVE
ST606
DOWNLINK CIR>THRESHOLD
No
ST608
SEARCH ALL AVAILABLE CHANNELS
ST609
i=i-1
No
Yes
ST607
SLOTi ALLOCATION
Yes
ST610
CALL LOSS
END

FIG.8

SLOT NUMBER	#0	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14
UPLINK ORDER OF PRIORITY	8	9	10	11	12	13	14	—	1	2	3	4	5	6	7
DOWNLINK ORDER OF PRIORITY	7	6	5	4	3	2	1	—	14	13	12	11	10	9	8

FIG.9

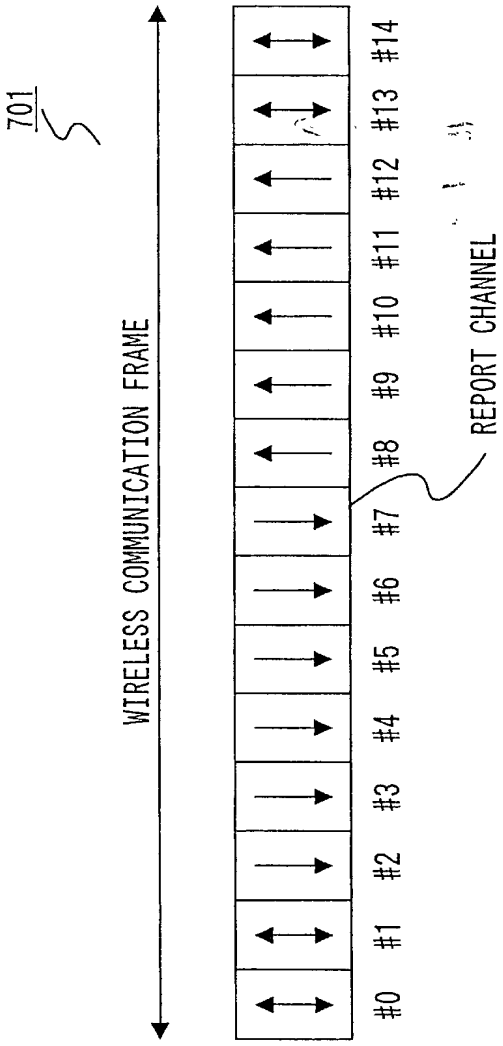
701
WIRELESS COMMUNICATION FRAME
#0
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
REPORT CHANNEL

FIG.10